

Claims

1. A method of controlling dust from or erosion of earth surfaces comprising the steps of mixing water, a mixing aid selected from the group consisting of sodium hydroxide or ammonia, and a fatty acid containing material selected from the group consisting of rendered grease from animals, used vegetable oil, or a mixture thereof to produce a dust control composition; and applying the dust control composition to the earth surface to be absorbed into the earth surface.
2. A method for controlling dust from or erosion of earth surfaces according to Claim 1, wherein the fatty acid containing material is selected from the group consisting of yellow grease or tallow.
3. A method of controlling dust from and erosion of earth surfaces according to Claim 1, wherein the composition is applied to an earth surface by spraying and the spray temperature of the composition is at least about 40° F.
4. A method of controlling dust from and erosion of earth surfaces according to Claim 1, wherein the fatty acid containing material is heated to a temperature above its fudge point before being mixed with the water and mixing aid.
5. A method of controlling dust from and erosion of earth surfaces according to Claim 1, wherein the mixing aid is a fifty-fifty mixture of sodium hydroxide and water and makes up between about 0.75% and about 1 % of the composition by weight.
6. A method of controlling dust from or erosion of earth surfaces according to Claim 5, wherein the fatty acid containing material makes up between about 5% and about 95% of the composition by weight.

7. A method of controlling dust from and erosion of earth surfaces according to Claim 1, wherein the mixing aid is a 5% aqueous ammonia solution and makes up at least about 4% of the composition by weight.

8. A method of controlling dust from or erosion of earth surfaces according to Claim 7, wherein the fatty acid containing material makes up between about 5% and about 95% of the composition by weight.

9. A method of controlling dust from and erosion of earth surfaces according to Claim 7, wherein the ammonia solution and makes up at least about 5% of the composition by weight.

10. A method of controlling dust from and erosion of earth surfaces according to Claim 1, wherein the composition is applied to the earth surface at an application rate of between about 25 to about 45 square feet per gallon.

11. A method of controlling dust from and erosion of earth surfaces according to Claim 10, wherein the composition is applied to the earth surface at an application rate of between about 25 to about 35 square feet per gallon.

12. A liquid treatment composition for earth surfaces to control dust from and erosion of the earth surface to which the product is applied, comprising:

a fatty acid containing material selected from the group consisting of rendered grease from animals, used vegetable oil, or a mixture thereof;

water; and

a mixing aid selected from the group consisting of sodium hydroxide or ammonia.

13. A liquid treatment composition for earth surfaces to control dust from or erosion of the earth surface to which the product is applied according to Claim 12, wherein the fatty acid containing material is selected from the group consisting of yellow grease or tallow.

14. A liquid treatment composition for earth surfaces to control dust from and erosion of the earth surface to which the product is applied according to Claim 12, wherein the fatty acid containing material makes up between about 5% and about 95% of the composition, the sodium hydroxide about 1 %, and the water is the remaining balance.

15. A liquid treatment composition for earth surfaces to control dust from and erosion of the earth surface to which the product is applied according to Claim 12, wherein the mixing aid is a fifty-fifty mixture of sodium hydroxide and water and makes up between about 0.75% and about 1% of the composition by weight.

16. A liquid treatment composition for earth surfaces to control dust from and erosion of the earth surface to which the product is applied according to Claim 12, wherein the mixing aid is a 5% aqueous ammonia solution and makes up at least about 4% of the composition by weight.

17. A liquid treatment composition for earth surfaces to control dust from and erosion of the earth surface to which the product is applied according to Claim 16, wherein the mixing aid is a 5% aqueous ammonia solution and makes up at least about 5% of the composition by weight.